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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/713,615	11/15/2000	Yuji Ayatsuka	112857-264	3858

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EXAMINER	
KIANERSI, MITRA	

ART UNIT	PAPER NUMBER
2145	

DATE MAILED: 11/04/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)	
	09/713,615	AYATSUKA ET AL.	
	Examiner	Art Unit	
	mitra kianersi	2143	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

1)☒ Responsive to communication(s) filed on *01 July 2004*.

2a)☒ This action is **FINAL**. 2b)☐ This action is non-final.

3)☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

4)☒ Claim(s) *1,3,8,9,11,12,14,18-23,25-30 and 33-39* is/are pending in the application.

4a) Of the above claim(s) _____ is/are withdrawn from consideration.

5)☐ Claim(s) _____ is/are allowed.

6)☒ Claim(s) *1,3,8,9,11,12,14,18-23,25-30 and 33-39* is/are rejected.

7)☐ Claim(s) _____ is/are objected to.

8)☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

9)☐ The specification is objected to by the Examiner.

10)☒ The drawing(s) filed on *15 November 2000* is/are: a)☒ accepted or b)☐ objected to by the Examiner.

Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).

Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).

11)☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

12)☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).

a)☐ All b)☐ Some * c)☐ None of:

1.☒ Certified copies of the priority documents have been received.

2.☒ Certified copies of the priority documents have been received in Application No. P-11-327670.

3.☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

1) ☒ Notice of References Cited (PTO-892)
2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08) Paper No(s)/Mail Date _____.
4) ☐ Interview Summary (PTO-413) Paper No(s)/Mail Date. _____.
5) ☐ Notice of Informal Patent Application (PTO-152)
6) ☐ Other: _____.

Response to Arguments

Applicant's arguments filed on July/01/2004 have been fully considered but they are not persuasive.

Applicant on page 11, line 13, argues that claim 1 has been amended to call for an image confirmation means for confirming the images of the targets including said identification information, and said confirmation means displays status of connection to the one or more than one targets. Nakashima on col 6, lines 5-8 discloses a signal transmission means for transmitting the coded information and the positional information to the information processing device; wherein the coded information is transmitted from the wireless coordinate indicator to the information processing device on the basis of positional relationship associated with coordinate indicating points of the object on the display means.

Applicant on page 11, line 16, argues that claim 3 has been amended to define the user terminal as having a display screen, and the images and status of connection to the one or more than one targets taken by the imaging means is displayed on the display screen. Nakashima on col 39, lines 52-59 discloses in Fig. 59 is a schematic representation showing transmission/detection statuses of a signal transmitted between the wireless coordinate indicator and the information processing device according to the optically coupled method. Assume that constituent elements (LEDs, optical sensors, sensitive elements) in line with the longitudinal axis of constituents (the LED array 442, the one-dimensional image sensor 423, the display/detection section 445) are opposite with each other.

Applicant on page 12, lines 1-2, argues that claim 23 has been amended to include the step of displaying the images and status of connection to the one or more than one targets taken by the imaging means on the display screen. Nakashima in Fig. 70(a1), 70(a2), 70(b1), and 70(b2) are schematic representations showing the positions of coordinate indicating points of the wireless coordinate indicator when two coordinate indicating points are provided, and the positional relationship between a modulation display region and coordinate indicating points in the information processing device;

Applicant on page 12, line 8, argues that at column 44, lines 29-31 to support an assertion that Nakashima has a user terminal which includes a display screen and the images taken by an imaging means are displayed on the display screen. However, Nakashima on col 1, lines 24-27) discloses a target device is designated after the reading of the image information, whereupon the image information is stored and displayed as information associated with an image file on the personal computer PC, column 44, lines 20-36 merely describes a display method of a display device and not Applicants' claimed user terminal having a display screen which displays the status of the connection. Applicant on page 12, line 11, argues that at column 44, lines 20-36, Nakashima describes a matrix-driven display section having X lines and Y lines which cross each other at right angles to define a matrix coordinate. See Fig. 74a. As shown in Fig. 74b, the Y coordinate is activated parallel, and the other coordinate, that is the X lines, are sequentially scanned around. One screen is displayed as a result of the continuation of this operation. On the assumption that the time required to apply a voltage to one coordinate is constant, the time necessary to change one screen is dependent on a total number of X lines. Applicants submit that Nakashima simply does not disclose or suggest Applicants' claimed invention, for example, the user terminal having a display screen that displays images and status of the connection to the one or more than one targets taken by the imaging means. Nakashima in Fig. 70(a1), 70(a2), 70(b1), and 70(b2) are schematic representations showing the positions of coordinate indicating points of the wireless coordinate indicator when two coordinate indicating points are provided, and the positional relationship between a modulation display region and coordinate indicating points in the information processing device. Because the arguments with respect to the allowableness of independent claims were found unpersuasive, these same arguments are not persuasive with respect to the other dependent claims.

Claims 1, 3, 8, 9, 11, 12, 14, 18-23, 25-30 and 33-39 have been examined.

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

> (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 21, 36 and 38-39 are rejected under 35 U.S.C. 103(a) as being unpatentable over Nakashima (US. Patent No. 5,729,251) and further in view of et al. Hoffberg et al. (US Patent No.6640145).

1. As per claim 21 and 36, Nakashima disclose an information input/output system However, Nakashima do not teach wherein application means transmits the video recording appointment information input at user terminal to a target, or a video recording/reproduction apparatus having a video recording appointment feature so long as connection means sustains the connection between video recording/reproduction apparatus and the user terminal. Hoffberg et al. disclose a Media recording device with packet data interface where the Videotext standard may also be used to record the catalog or indexing information on the tape. The video recording system records all transmitted information, including SAP, VAR, close caption and videotext information, which may be used to implement the various functions. Col 98, lines 17-21). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to incorporate Nakashima's information input/output system with Hoffberg et al. media recording device to provide an information input/output system capable of reducing operating time as well as improving sequential operability by

reducing the number of devices to be operated and the number of times each device is operated.

2. As per claims 38 and 39, Nakashima disclose an information input/output method for processing user inputs/outputs in an information space comprising a user terminal to be used by a user; (User's operating procedures for transferring information in an information processing system, col 1, lines 11-12) one or more than one targets connected to said user terminal in a format adapted to transfer of information and including visible identification information; an identification means for identifying the targets on the basis of the identification information imaged by said imaging means and a connection means for establishing connection between the user terminal and the targets identified by said identification means, said method comprising:(a) step of identifying the targets on the basis of the identification information imaged by said imaging means, (a target device is designated after the reading of the image information, whereupon the image information is stored and displayed as information associated with an image file on the personal computer PC, col 1, lines 24-27)and (b) a step of establishing connection between the targets identified by said identification means and said user terminal; (corresponds to the information processing device T1 is connected to another information processing section 28 through a network or the like, col 11, lines 15-21). However, Nakashima do not teach wherein application means transmits the video recording appointment information input at user terminal to a target, or a video recording/reproduction apparatus having a video recording appointment feature so long as connection means sustains the connection between video recording/reproduction apparatus and the user terminal. Hoffberg et al. disclose an Media recording device with packet data interface where the Videotext standard may also be used to record the catalog or indexing information on the tape. The video recording system according records all transmitted information, including SAP, VAR, close caption and videotext information, which may be used to implement the various functions. Col 98, lines 17-21). Therefore, it would have been obvious to one of ordinary skill in the art at the time of the invention was made to incorporate Nakashima's information input/output system with Hoffberg et al. media recording device to provide an information input/output system capable of reducing operating time as well as improving sequential operability by

reducing the number of devices to be operated and the number of times each wherein the video recording appointment information input at said user terminal to a video recording/reproduction apparatus having a video recording appointment feature.

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

> A person shall be entitled to a patent unless –
>
> (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1, 3, 8-9,11,12, 14, 18-20, 25-30 and 33-35, and 37 are rejected under 35 U.S.C. 102(e) as being anticipated by Nakashima (US. Patent No. 5,729,251)

1. As per claim 1, a portable information processing terminal adapted to be connected to one or more than one targets by way of a network, terminal comprising:

an imaging means for imaging visible identification information possessed by the targets: (a target device is designated after the reading of the image information, whereupon the image information is stored and displayed as information associated with an image file on the personal computer PC, col 1, lines 24-27) an identification means for identifying the targets on the basis of the identification information imaged by said imaging means; and from the image appeared on the display screen as required. (the operator can identify the completion of the transmission of data, col 20, lines 19-25)

a connection means for establishing connection between itself and the targets identified by identification means. (corresponds to the information processing device T1

is connected to another information processing section 28 through a network or the like, col 11, lines 15-21).

an image confirmation means for confirming the images of the targets including said identification information and said confirmation means displays status of connection to the one or more than one targets. (a signal transmission means for transmitting the coded information and the positional information to the information processing device; wherein the coded information is transmitted from the wireless coordinate indicator to the information processing device on the basis of positional relationship associated with coordinate indicating points of the object on the display means. Col 6, lines 5-8)

2. As per claim 3, an information input/output system comprising:

a user terminal to be used by a user; (User's operating procedures for transferring information in an information processing system, col 1, lines 11-12) one or more than one targets connected to said user terminal in a format adapted to transfer of information and including visible identification information; an identification means for an identifying the targets on the basis of the identification information imaged by said imaging means; (it is possible to transfer various types of information between an information processing system with a display section which carries out various types of information processing, col 1, lines 32-37)

a connection means for establishing connection between the user terminal and the targets identified by identification means (The operator can identify the completion of the transmission of data col 20, lines 19-25)

said user terminal includes a display screen; and the images and status of connection to the one or more than one targets taken by said imaging means is displayed on said display screen. (Fig. 59 is a schematic representation showing transmission/detection statuses of a signal transmitted between the wireless coordinate indicator and the information processing device according to the optically coupled method. Assume that constituent elements (LEDs, optical sensors, sensitive elements) in line with the longitudinal axis of constituents (the LED array 442, the one-dimensional image sensor 423, the display/detection section 445) are opposite with each other. Col 39, lines 52-59)

3. As per claims 8 and 25, the information input/output system, wherein user terminal is connected to said targets by way of a network; (this information processing device T1 is connected to another information processing section 28 through a network or the like. col 11, lines 15-21) targets have respective network addresses; (identification information associated with the previously mentioned coordinate indication but indefinite coded information, col 2, lines 1-2) information input/output system further comprising a data base means for controlling the correspondence between the identification information of each target and its network address; and connection means being adapted to connect the user terminal and the targets by referring to said data base means for the network address of each target corresponding to the identification information. (information control means for controlling an object to be processed and coded information associated with the object; col 6, lines 9-13)

4. As per claims 9 and 26, the information input/output system, wherein connection means sustains the connection between the targets and user terminal as long as the imaging means is imaging the targets or their identification information. (One screen is displayed as a result of the continuation of this operation, col 44, lines 29-31)

5. As per claim 11, the information input/output system, wherein connection means sustains the connection between the targets and user terminal as long as the targets identified by identification means are displayed on said display screen. (One screen is displayed as a result of the continuation of this operation. col 44, lines 29-31)

6. As per claim 12 and 27, the information input/output system, wherein said images of the targets taken by imaging means is held on display screen as long as connection means sustains the connection between the targets and user terminal.(corresponds to document information held in this window W4 is copied to the wireless coordinate indicator, col 41, lines 21-41) and (see Fig.61)

7. As per claim 14 and 28, the information input/output system, wherein user terminal has a storage mean for storing the taken images of targets identified by

identification means;(an information controller for storing detected positional information and the extracted coded information by associating the information items with each other, Abstract) and an information processing device for carrying out predetermined processing and connection means establishes connection between user terminal and relevant taken targets in response to the display of image on display screen. (One screen is displayed as a result of the continuation of these operation. col 44, lines 29-31)

8. As per claim 18 and 33, the information input/output system wherein user terminal has a keyboard or some other user input means; (corresponds to a type of a coordinate input device with a display which transmits information from the information processing device, col 2, lines 15-18) and application means transfers the user input data input by using user input means as user input data on a computer system, or a target, as long as connection means sustains the connection between the computer system and the user terminal. (it is possible to transfer various types of information between an information processing system with a display section which carries out various types of information processing, col 34, lines 7-14)

9. As per claim 19 and 34, the information input/output system, wherein application means obtains the data to be shown from targets and display them on the display screen as long as connection means sustains the connection between targets including data to be shown and updated regularly or irregularly and the user terminal. (corresponds to the values of words are updated and output every predetermined period of time. The modulated display is terminated when a predetermined amount of output is produced, col 40, lines 35-41)

10. As per claim 20 and 35, the information input/output system wherein application means receives alarms from a target, or a device having a alarm feature and execute alarm on user terminal as long as connection means sustains the connection between the target and the user terminal. (a one-dimensional image sensor, col 49, line 50)

11. As per claim 22 and 37, the information input/output system wherein application means displays an image of operation for controlling remotely controllable targets on

the display screen and transmit the user operation displayed on the display screen to the targets as long as connection means sustain the connection between the target and the user terminal. (information control means for controlling an object to be processed and coded information associated with the object; col 6, lines 9-13) display means for displaying the object at a predetermined position; col 6, lines 10-15)

12. As per claim 23, an information input/output method for processing user inputs/outputs in an information space comprising a user terminal to be used by a user and having a display screen; (User's operating procedures for transferring information in an information processing system; col 1, lines 11-12) one or more than one targets connected to said user terminal in a format adapted to transfer of information and including visible identification information, an identification means for identifying the targets on the basis of the identification information imaged by said imaging means and a connection means for establishing connection between the user terminal and the targets identified by said identification means; said method comprising:
(a) step of identifying the targets on the basis of the identification information imaged by said imaging means; (corresponds to the information processing device T1 is connected to another information processing section 28 through a network or the like, col 11, lines 15-21).
(b) a step of establishing connection between the targets identified by said identification means and said user terminal. (corresponds to the information processing device T1 is connected to another information processing section 28 through a network or the like, col 11, lines 15-21).
(c) displaying the images and status of connection to the one or more than one targets taken by said imaging means on said display screen. (LEDs, optical sensors, sensitive elements) in line with the longitudinal axis of constituents (the LED array 442, the one-dimensional image sensor 423, the display/detection section 445) are opposite with each other. col 39, 55-65)
13. As per claim 29, the information input/output method according to claim 23, wherein said user terminal has a storage means for storing the taken images of said

targets identified by said identification means,(an information controller for storing detected positional information and the extracted coded information by associating the information items with each other, Abstract) and said step (b) is executed to establish connection established between said user terminal and relevant taken targets in response to the display of said image on said display screen. (a one-dimensional image sensor, col 49, line 50)

14. As per claim 30, the information input/output method wherein said user terminal has a storage means for storing the taken images of said targets identified by said identification means; and;(an information controller for storing detected positional information and the extracted coded information by associating the information items with each other, Abstract) said step (b) is executed to establish connection between said user terminal and relevant taken targets in response to the selection of said image from said displayed images. (a one-dimensional image sensor, col 49, line 50)

15. As per claim 38 an information input/output system comprising:
a user terminal to be used by a user; (User's operating procedures for transferring information in an information processing system, col 1, lines 11-12)
more than one targets connected to said user terminal in a format adapted to one or transfer of information and including visible identification information;
an identification means for an identifying the targets on the basis of the identification information imaged by said imaging means, (a target device is designated after the reading of the image information, whereupon the image information is stored and displayed as information associated with an image file on the personal computer PC, col 1, lines 24-27)
a connection means for establishing connection between the user terminal and the targets identified by said identification means, wherein said application means transmits the video recording appointment information input at said user terminal to a target, or a video recording/reproduction apparatus having a video recording appointment feature so long as said connection means sustains the connection

between said video recording/reproduction apparatus and the user terminal. (The operator can identify the completion of the transmission of data col 20, lines 19-25)

Conclusion

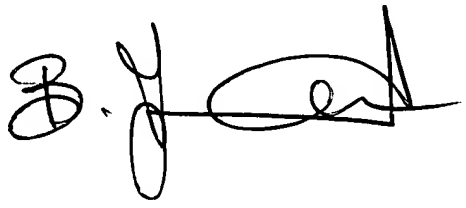
THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mitra Kianersi whose telephone number is (571) 272-3915. The examiner can normally be reached on 7:00AM-4:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, David Wiley can be reached on (571) 272-3915. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Mitra Kianersi
Oct/21/2004



BUNJOB JAROENCHONWANIT
PRIMARY EXAMINER